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INTRODUCTION

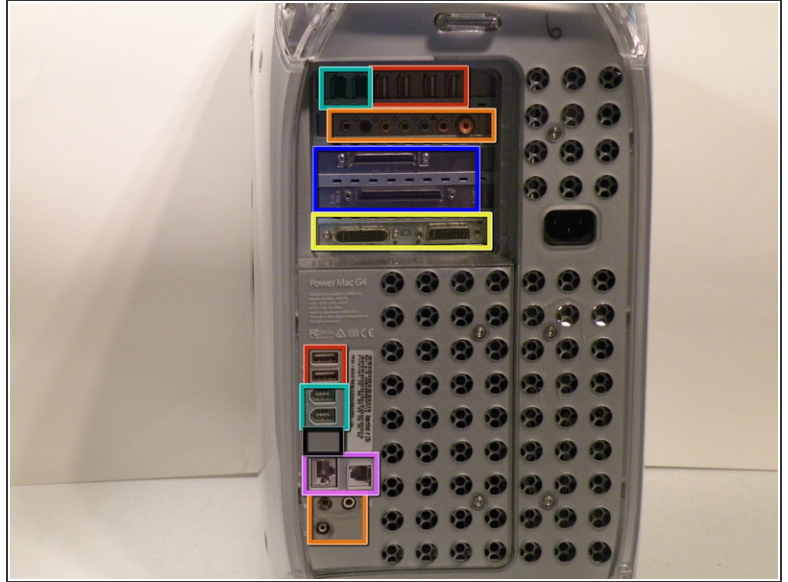
The Power Mac G4 MDD Used a uniquely shaped 344W or 400W AcBel or Samsung Power Supply. It had a 24-Pin Connector (not 24-Pin ATX!) and the original AcBel power supplies were notoriously loud, and earned the Power Mac G4 MDD the nickname "WindTunnel," since the computers were so loud.



TOOLS:

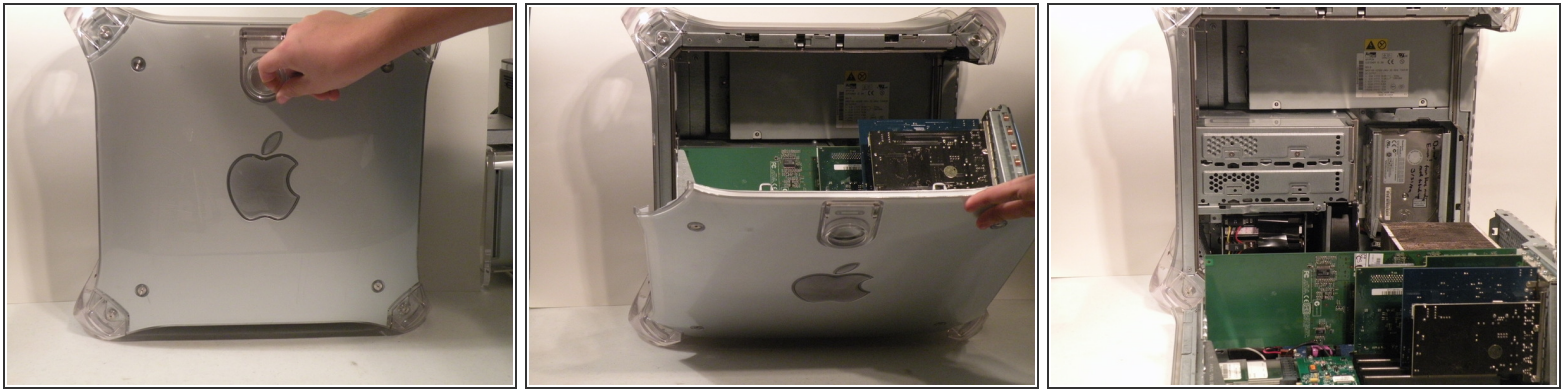
- [1.5mm Hex Screwdriver](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
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Step 1 — Case



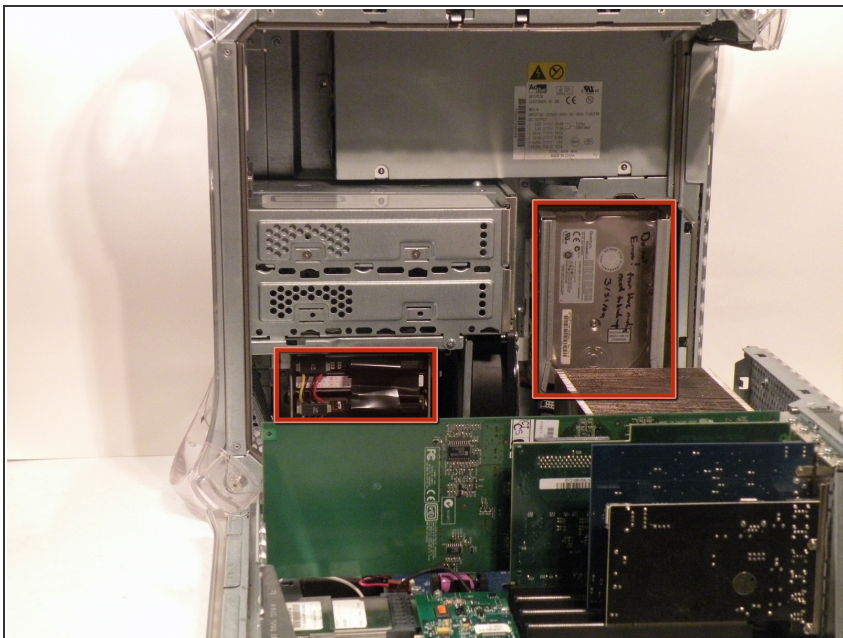
- The Power Mac G4 MDD: the last, and the fastest G4-based Mac. This computer boasted up to a Dual 1.42GHz PowerPC G4 CPU (though I have a single 1.25GHz).
- Six USB ports.
- Four FireWire ports.
- Assorted SCSI (SCSI50/SCSI68)
- Assorted Audio
- Video (ADC & DVI)
- Networking (RJ-45 Ethernet/56k Modem)
- Some later model MDD's (such as the dual 1.42GHz) Have a FireWire 800 Port Here:

Step 2



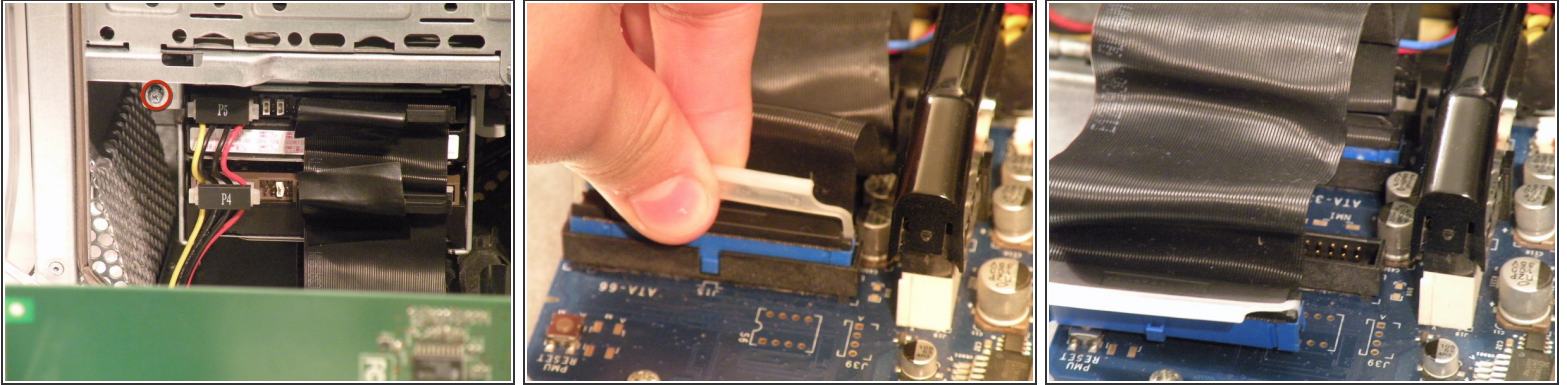
- Pull on the side lever and lower the side of the case.

Step 3 — Hard Drives



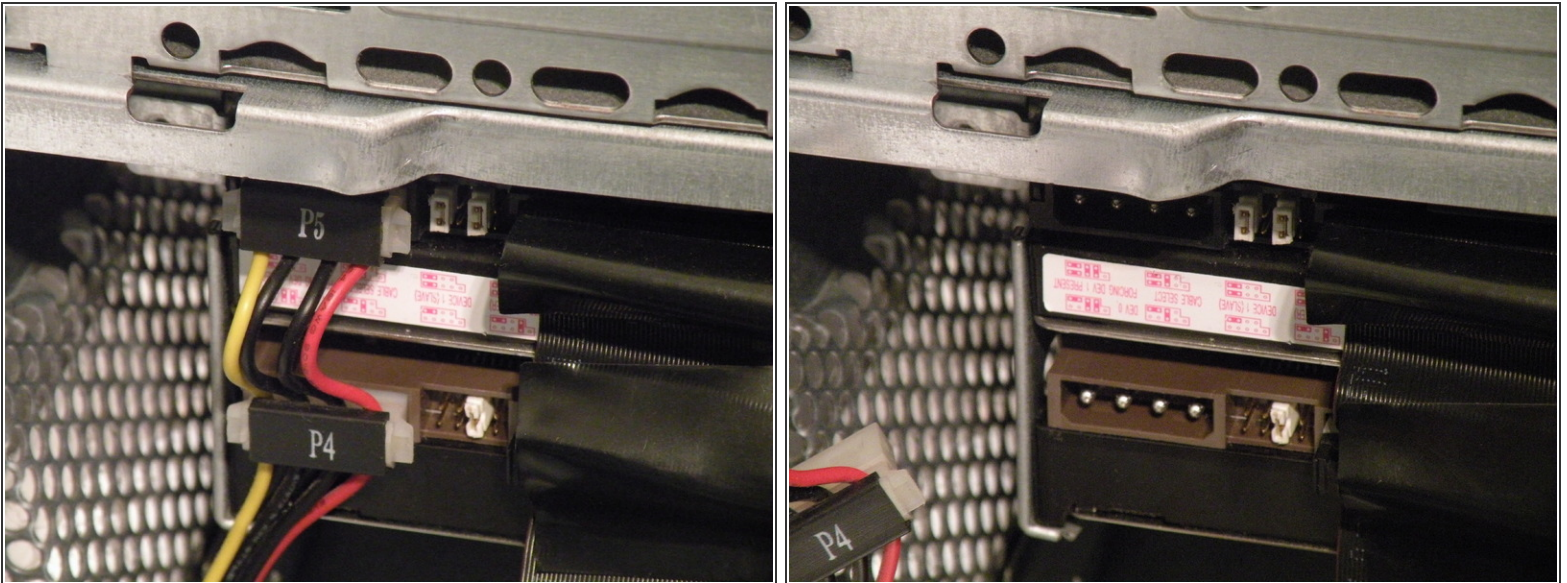
- The hard drive cages are located here.

Step 4



- Cage 1
- Start by removing this screw.
- Remove the IDE ribbon cable from the motherboard.

Step 5



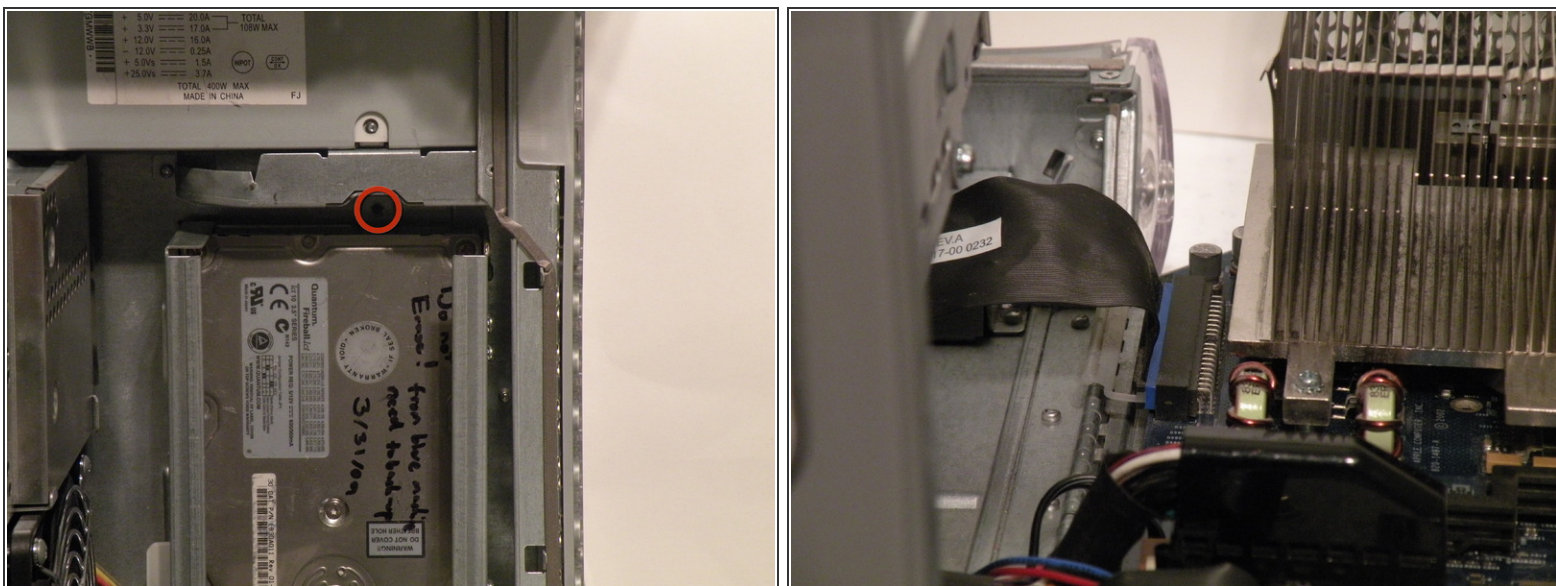
- Now, remove the power connector from the drives.

Step 6



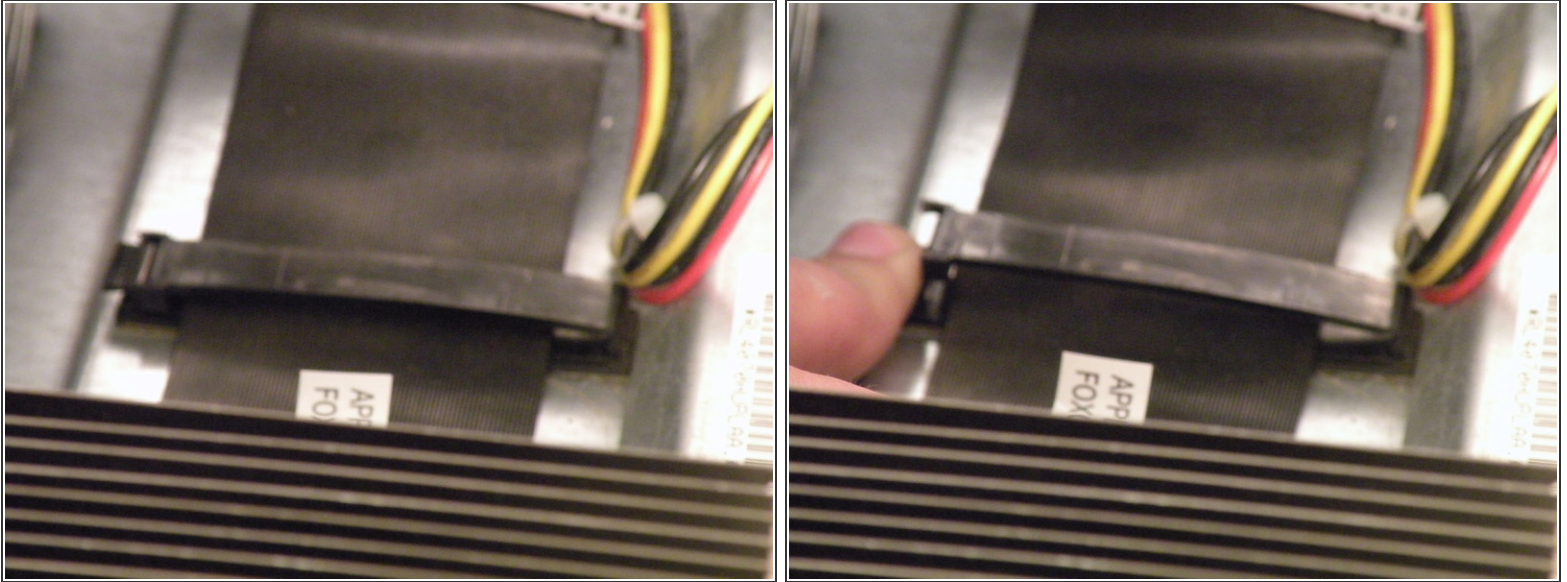
- Now, push this tab down, and pull the cage towarded you.
- Now, you can set cage 1 aside.

Step 7



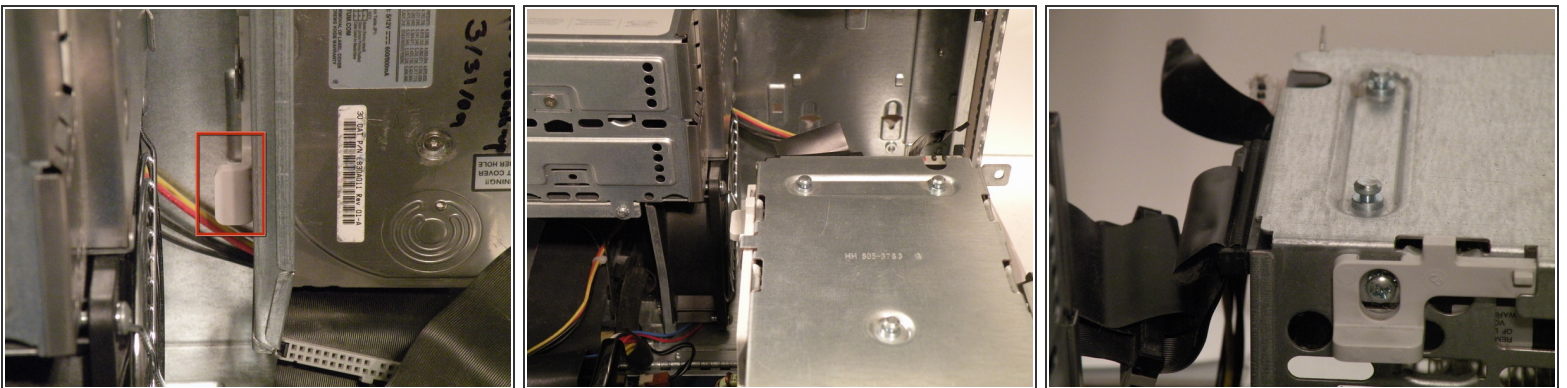
- Cage 2:
- Remove this Phillips screw:
- Disconnect this IDE ribbon cable from the logic board.

Step 8



- It's likely that there is a cable clip holding the ribbon cable to the case.
- To remove it, push the end, and it should pop up.

Step 9



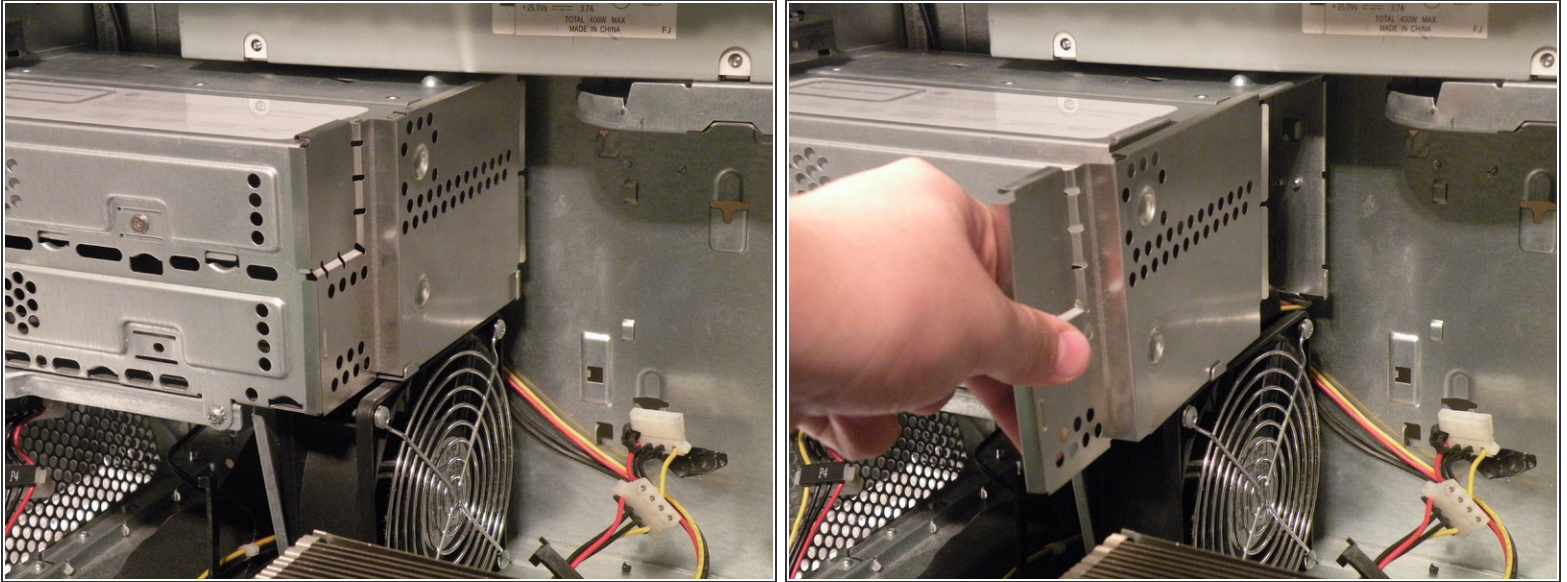
- With the clip free, pull on this tab, lift the cage up, until it clicks, and pull it away.
- Now, set the cage on top of the CPU, and remove the power connectors.

Step 10



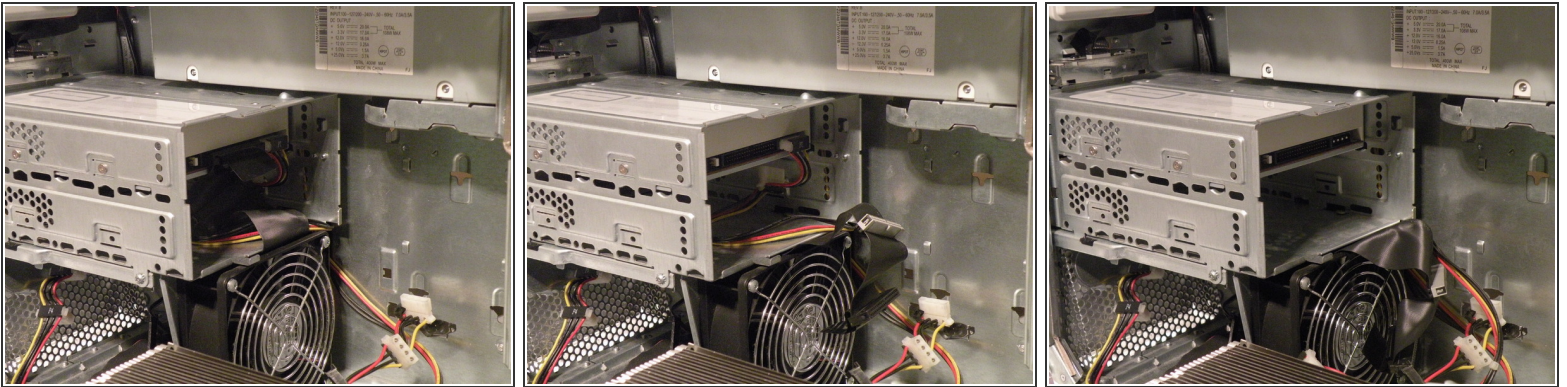
- Once the cables are free, set the drive cage aside.
- To remove the hard drives from the cages, remove the four screws on the sides of the cage that are connected to the drives, then slide the drives out.
- The two cages are cross compatible and can be put in either rack.
- The MDD does not have a 128GB drive limit like older macs, My MDD has 3 Drives (A 400GB Hitachi Deskstar, 40GB Seagate Baracuda 7200.7, and a 30GB Quantum Fireball LCT).
- Note the ID jumpers on the two drive set. One is set to Master, the other to slave. A single drive can be set to Cable Select.

Step 11 — Optical Drive Cage



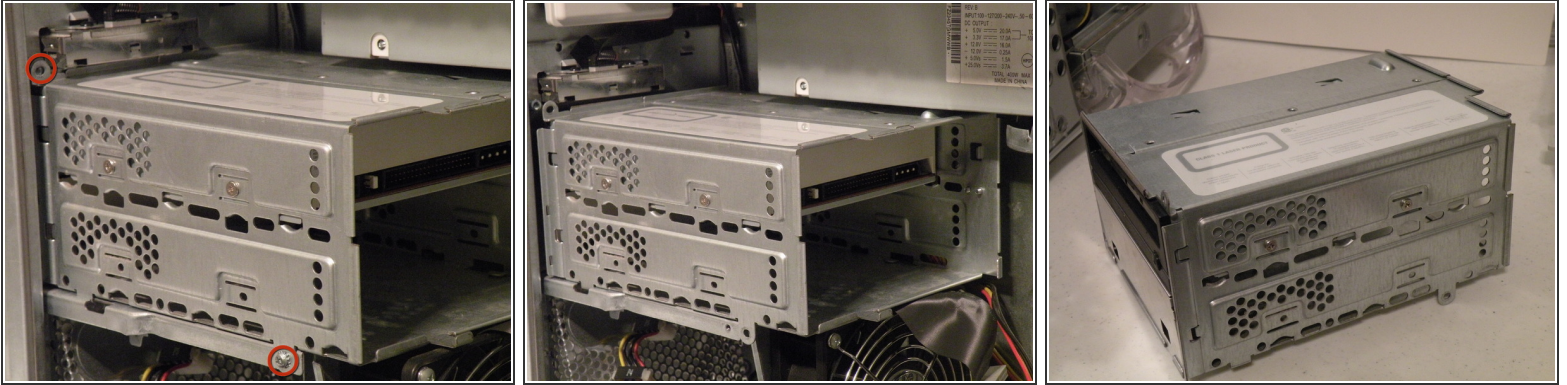
- Start removing the optical drive cage by removing the back cover.

Step 12



- Now, remove the IDE and power cables.

Step 13



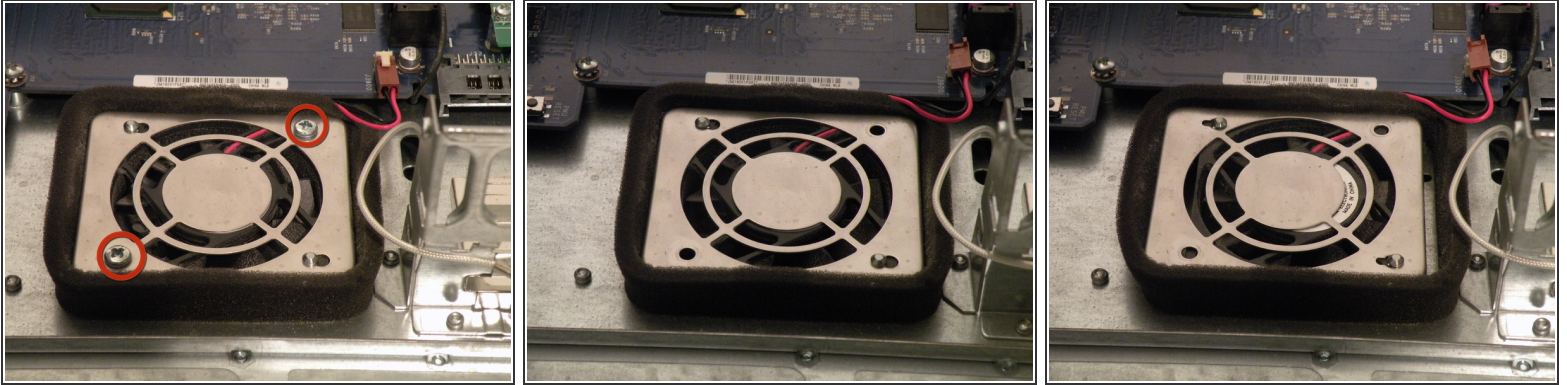
- Remove these two Phillips screws:
- Now, pull the cage away from the front until it is free.
- Now, lift the cage out.

Step 14



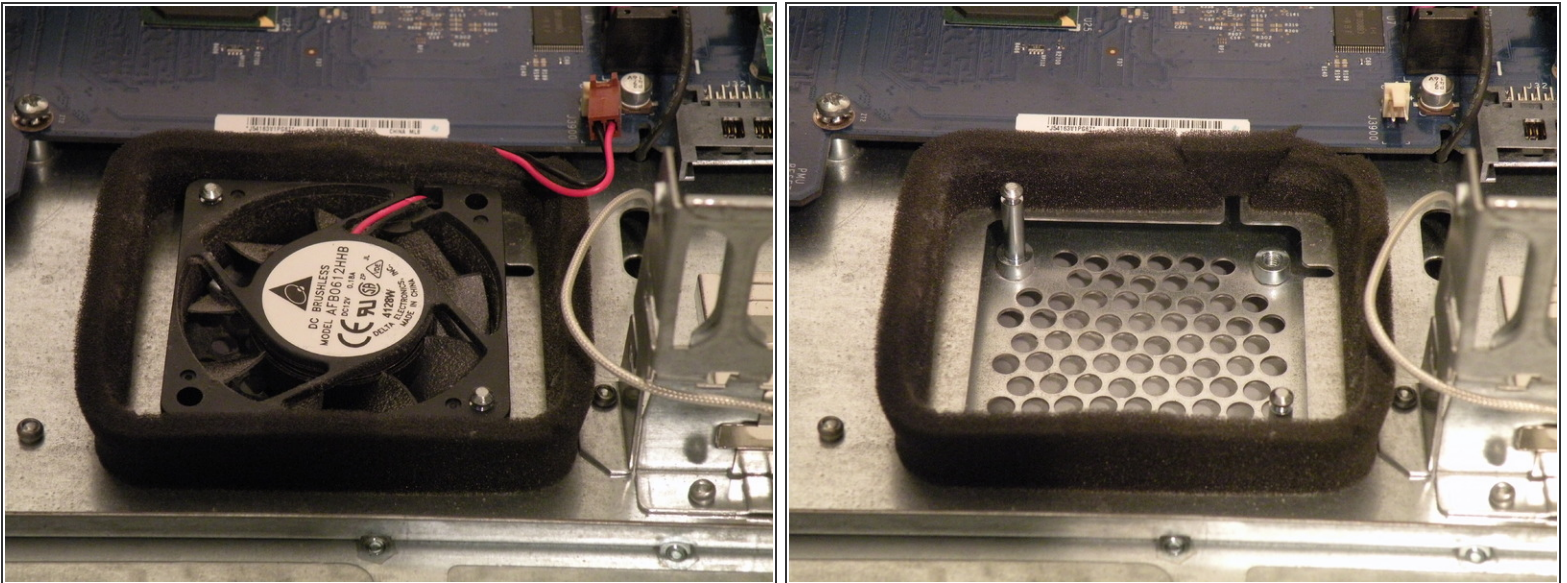
- To remove the drive from the cage, remove the four screws on the side of the drive, and pull the drive out of the cage.
- My MDD has a 3rd Party 22X SuperDrive, for burning DVD's in Leopard (Thank You Generic Drive Support!)

Step 15 — System Fans



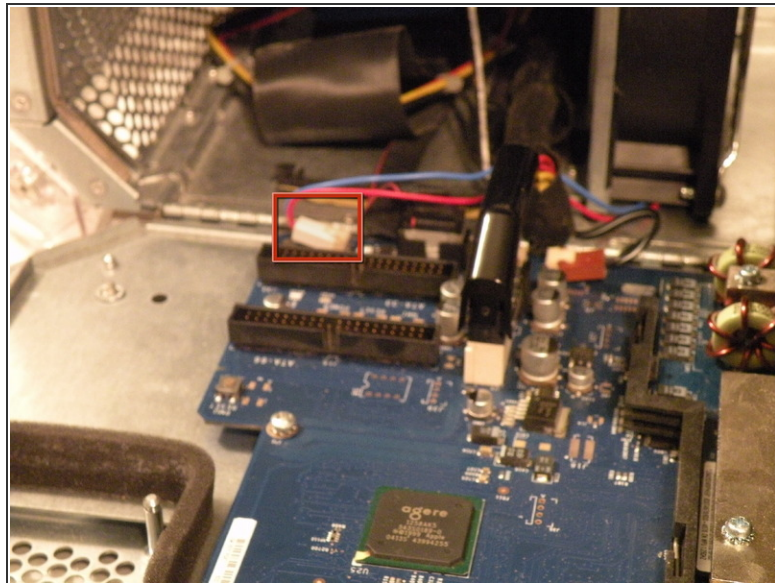
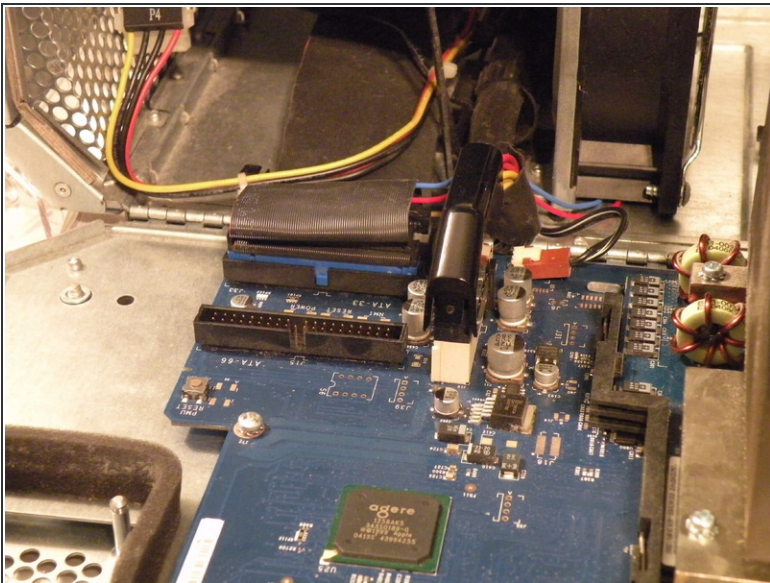
- Optical Fan:
- Remove these two Phillips screws:
- Now, slide the plate towards the case, and lift it up, and off.

Step 16



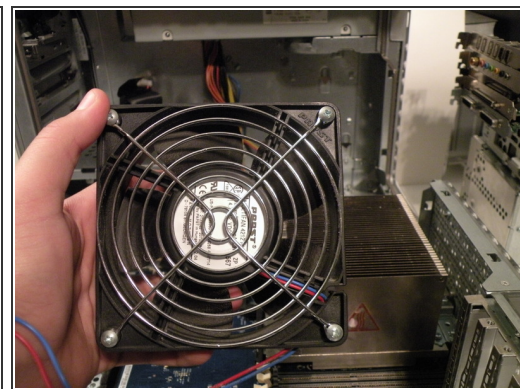
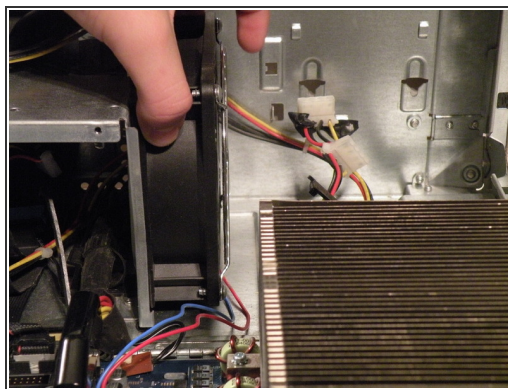
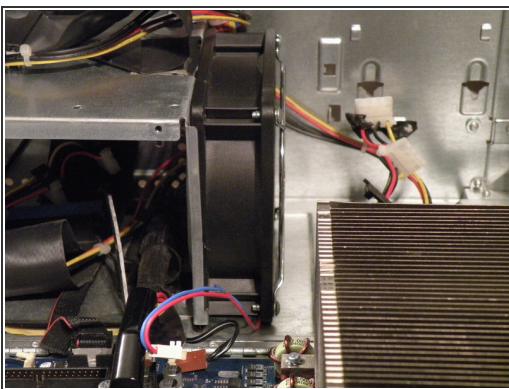
- Once the cover is removed, disconnect the power cable and thread it under the dust shield.
- Now, lift the fan straight up and out.

Step 17



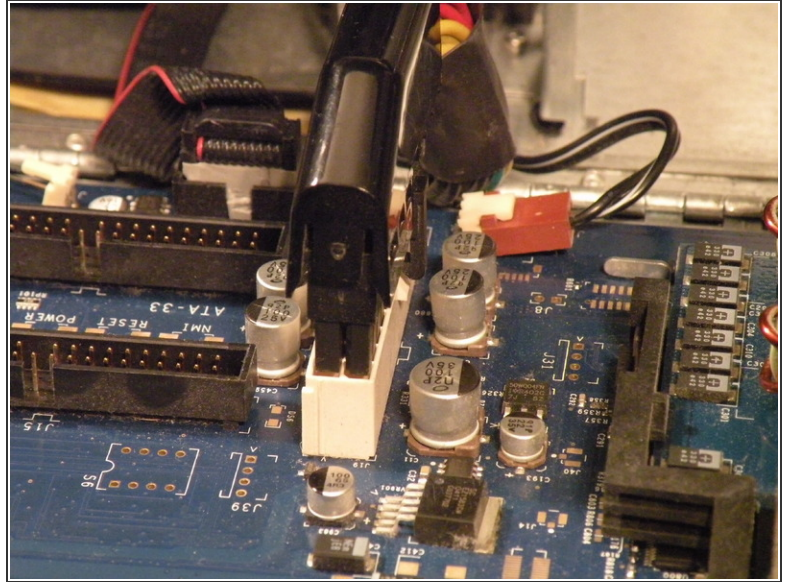
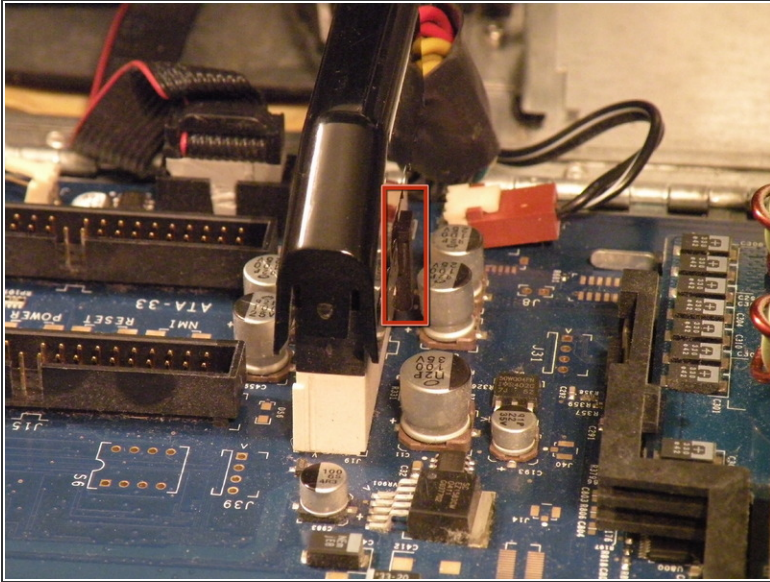
- System Fan:
- Disconnect the optical drive IDE cable from the logic board.
- Now, remove the system fan cable.

Step 18



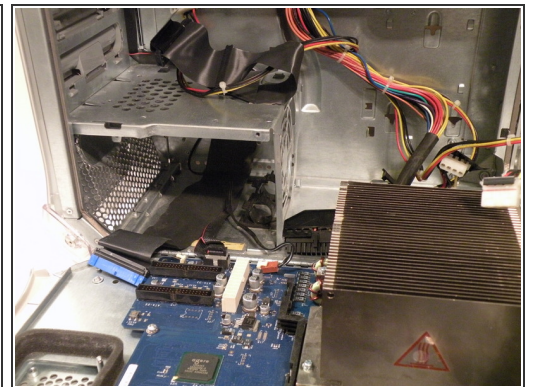
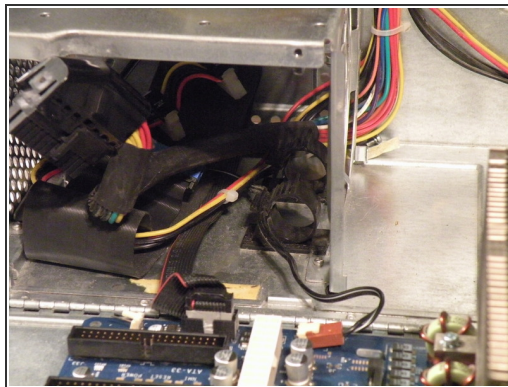
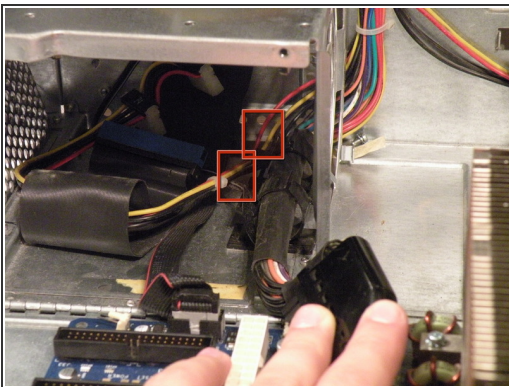
- Now, grab the system fan by the sides and pull it up, it should come free, the system fan is very large and loud, compared to standard sized fans.

Step 19 — Power Supply



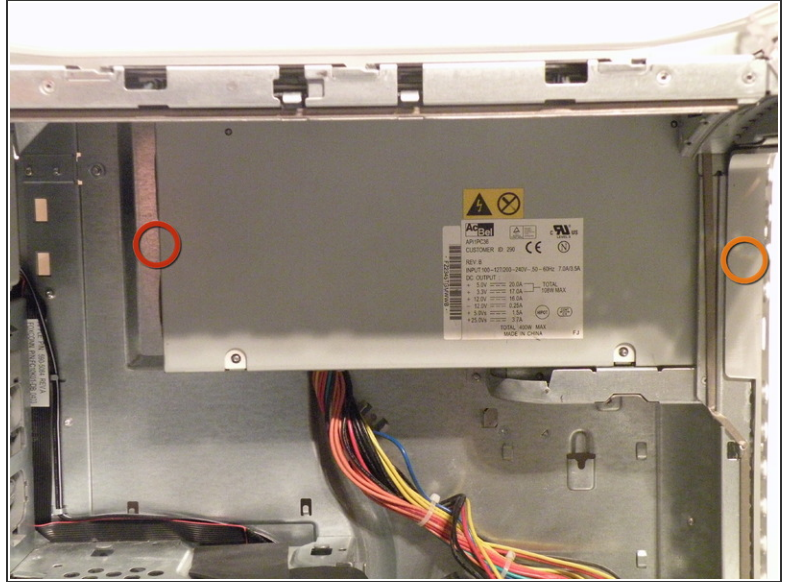
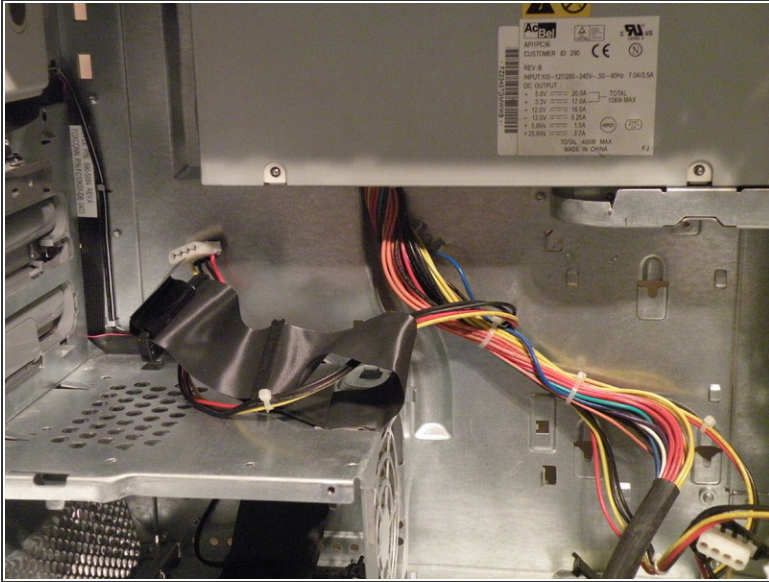
- To remove the power supply connector from the motherboard, push at the top of this clip, and pull the connector off.

Step 20



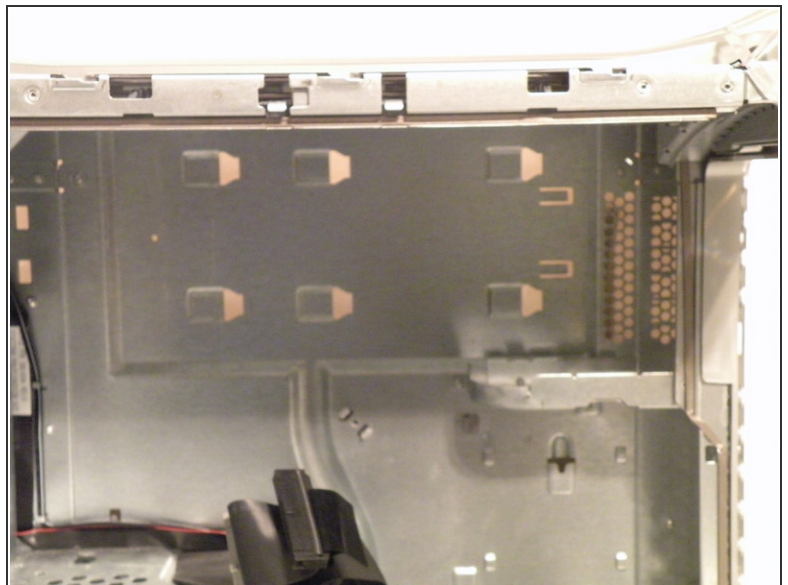
- Push on these two clips here to release the power cable.
- Now, thread the power cable out of the small hole it comes through.

Step 21



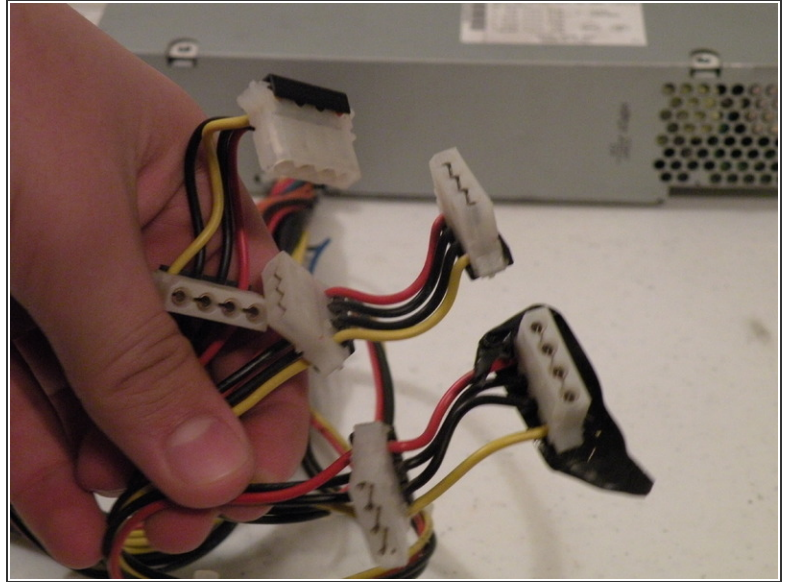
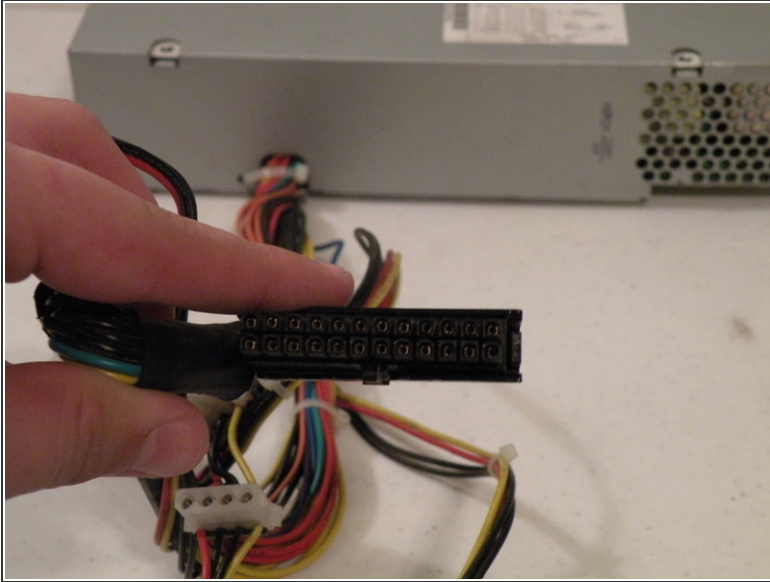
- Remove this Phillips screw:
- There may be a small hex screw here on the back of the case, it must be removed if present:

Step 22



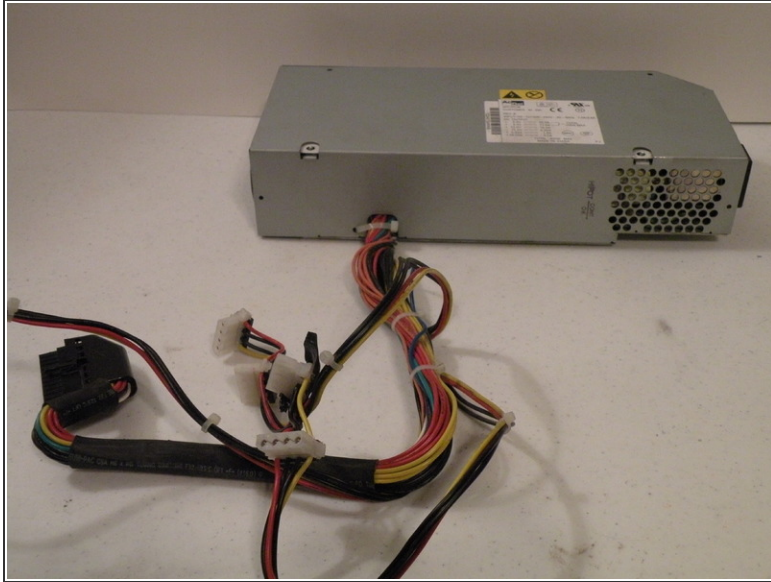
- Now, slide the power supply towards the front of the case, and pull it out. It is a little heavy, so don't drop it on the logic board.

Step 23



- The power supply has a 24-Pin connector with non-standard voltages, so dropping in a 24-Pin ATX power supply without modification isn't a great idea.
- The power supply connector has a 25V lead to drive apple ADC displays, so though it is possible to modify an ATX power supply, it won't be able to drive ADC displays, just VGA, or DVI, though the computer will work fine (I've actually tried this).
- It also has three 12V/5V rails to drive all six drives (four hard drives, two optical Drives) simultaneously. This is the only Macintosh computer other than the Mac Pro to support six drives.

Step 24



- This is also the notoriously loud AcBel 400W "Windtunnel" power supply

To reassemble your device, follow these instructions in reverse order.

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